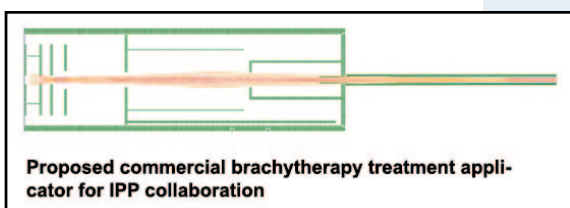
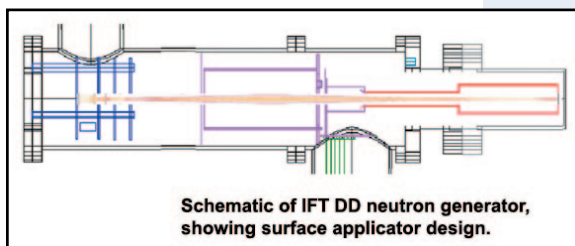
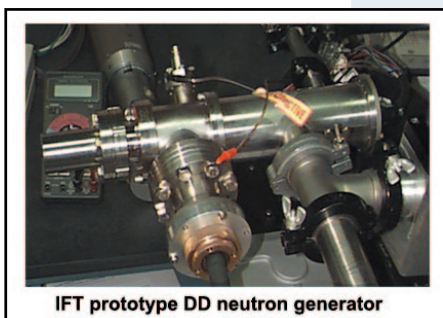


# Miniature Neutron Generator for Brachytherapy Tumor Treatment



- Small, portable, low cost, deuterium-tritium (DT) neutron generators able to treat cancer by fast-neutron brachytherapy
- Almost all malignancies can be controlled using fast neutron treatment, including the most virulent diseases whose potential tumor cell doubling time is a few days, e.g. melanoma
- Neutrons are generated at the tip of a needle and injected directly in or against the tumor, avoiding damage to healthy tissue
- Additional advantages of the DT neutron generator:
  - No need to shield when not in use
  - Neither patient nor medical personnel receive unwanted radiation doses